AMENDMENTS TO THE CLAIMS

The following is a complete, marked up listing of revised claims with a status identifier in parentheses, underlined text indicating insertions, and strikethrough and/or double-bracketed text indicating deletions.

Listing of the Claims

1. (Currently Amended) A computer readable medium storing a data structure for managing reproduction of graphic data by a reproducing apparatus, comprising:

a data area storing a plurality of transport packets ~~multiplexed with other data,~~ ~~the transport packets~~ representing one or more graphic segments <u>containing a graphic image for overlay on main video data, the one or more graphic segments multiplexed into a main video stream including the main video data,</u> wherein

~~each~~<u>the</u> transport packet<u>s</u> in ~~a~~<u>the one or more</u> graphic segment<u>s</u> ~~has~~<u>have</u> a same packet identifier (PID),

~~at least one transport packet in the graphic segment includes an identifier that the transport packet is part of a graphics packet.~~

——<u>the</u>at least one transport packet in the <u>one or more</u> graphic segment<u>s</u> includes ~~graphic~~<u>position</u> information ~~for managing reproduction of~~<u>defining a position for the reproducing apparatus to display the</u> graphic image<u>s</u>, and

~~another~~at least one transport packet in the <u>one or more</u> graphic segment<u>s</u> includes <u>a</u> time stamp of the graphic images.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Currently Amended) A method of reproducing a data structure for managing reproduction of graphic data from a recording medium, comprising:

~~Reproducing~~reproducing, from the recording medium, a main video stream into which main video data and one or more graphic segments ~~from the recording medium,~~ ~~each of which includes~~containing a graphic ~~data~~image have been multiplexed, the one or more~~and each~~ graphic segments including a plurality of transport packets, ~~the transport packets representing the graphic segment and multiplexed with other data,~~ wherein

____ ~~each~~the transport packets in ~~a~~the one or more graphic segments ~~has~~have a same packet identifier (PID),

~~at least one transport packet in the graphic segment includes an identifier that the transport packet is part of a graphics packet,~~

————~~the~~at least one transport packet in the one or more graphic segments includes ~~graphic~~position information ~~for managing reproduction of~~defining a position to display the graphic images, ~~and~~

~~another~~at least one transport packet in the one or more graphic segments includes time stamp of the graphic ~~images~~image, and

overlaying the graphic image on the main video data according to the position information.

9. (Currently Amended) An apparatus for reproducing a data structure for managing reproduction of graphic data from a recording medium, comprising:

an optical reproducing device configured to reproduce data recorded on the recording medium;

a controller configured to control the optical reproducing device to reproduce, from the recording medium, a main video stream into which main video data and one or more graphic segments containing a graphic image have been multiplexed, ~~each~~the one or more graphic segments including a plurality of transport packets, ~~the transport packets multiplexed with other data~~wherein

~~each~~the transport packets in ~~a~~the one or more graphic segments ~~has~~have a same packet identifier (PID),

~~at least one transport packet in the graphic segment includes an identifier that the transport packet is part of a graphics packet,~~

————~~the~~at least one transport packet in the one or more graphic segments includes

~~graphic~~ position information ~~for managing reproduction of~~defining a position to display the graphic images, and

~~another~~ at least one transport packet in the one or more graphic segments includes a time stamp of the graphic images; and

the controller configured to control the optical reproducing device to overlay the graphic image on the main video data according to the position information.

10. (Currently Amended) A method of recording a data structure for managing reproduction of graphic data on a recording medium, comprising:

~~Recording~~recording, onto the recording medium, a main video stream into which main video data and one or more graphic segments containing a graphic image for overlay onto the main video data have been multiplexed~~on the recording medium, each of which includes graphic data, each~~, the one or more graphic segments including a plurality of transport packets~~, the transport packets multiplexed with other data~~, wherein

~~each~~the transport packets in ~~a~~the one or more graphic segments ~~has~~have a same packet identifier (PID), and

~~at least one transport packet in the graphic segment includes an identifier that the transport packet is part of a graphics packet,~~

————~~the~~at least one transport packet in the one or more graphic segments includes ~~graphic~~position information ~~for managing reproduction of~~defining a position to display the graphic images, ~~and~~and

~~another at least one transport packet in the graphic segment includes~~at least one transport packet in the one or more graphic segments includes a time stamp of the graphic images.

11. (Currently Amended) An apparatus for recording a data structure for managing reproduction of graphic data on a recording medium, comprising:

an optical recording device configured to record data on the recording medium;

an encoder for encoding at least ~~multiple reproduction path~~video data; and

a controller configured to control the optical recording device to record, onto the recording medium, a main video stream into which main video data and one or more graphic segments containing a graphic image for overlay onto the main video data have been multiplexed, ~~each~~the one or more graphic segments including a plurality of

transport packets, <u>wherein</u>

the transport packets ~~multiplexed with other data, on the recording medium, wherein~~

~~each transport packet in a~~<u>in</u> the <u>one or more</u> graphic segment<u>s</u> ~~has~~<u>have</u> a same packet identifier (PID),

~~at least one transport packet in the graphic segment includes an identifier that the transport packet is part of a graphics packet,~~

~~the~~at least one transport packet in the <u>one or more</u> graphic segment<u>s</u> includes ~~graphic~~ <u>position</u> information ~~for managing reproduction of~~<u>defining a position to display the</u> graphic images, and

~~another~~at least one transport packet in the <u>one or more</u> graphic segment<u>s</u> includes <u>a</u> time stamp of the graphic images.

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Currently Amended) The computer readable medium of claim 1, wherein ~~the graphic information~~at least one transport packet in the one or more graphic segments includes information on ~~position to display the graphic images,~~ presentation time to display the graphic images, and duration to display the graphic images.

25. (Currently Amended) The method of claim 8, wherein ~~the graphic information~~at least one transport packet in the one or more graphic segments includes information on ~~position to display the graphic images,~~ presentation time to display the graphic images, and duration to display the graphic images.

26. (Currently Amended) The apparatus of claim 9, wherein the controller is configured to control the optical reproducing device to reproduce ~~the graphic information~~at least one transport packet, in the one or more graphic segments, including information on ~~position to display the graphic images,~~ presentation time to display the graphic images, and duration to display the graphic images

27. (Currently Amended) The method of claim 10, wherein ~~the graphic information~~at least one transport packet in the one or more graphic segments includes information on ~~position to display the graphic images,~~ presentation time to display the graphic images, and duration to display the graphic images.

28. (Currently Amended) The apparatus of claim 11, wherein the controller is configured to control the optical recording device to record ~~the graphic information~~at least one transport packet, in the one or more graphic segments, including information on ~~position to display the graphic images,~~ presentation time to display the graphic images, and duration to display the graphic images.

29. (Currently Amended) The computer readable medium of claim 1, wherein the computer readable medium further includes a playlist including navigation information for playback control of the main video stream~~to reproduce the one or more graphic segments, the graphic segments are reproduced using a playlist~~.

30. (Currently Amended) The method of claim 8, ~~further comprising:~~

reproducing a playlist from the recording medium, the playlist including navigation information for playback control of the main video stream; and

reproducing ~~wherein~~ the one or more graphic segments ~~are reproduced~~ using a the playlist.

31. (Currently Amended) The ~~method~~ apparatus of claim 9, wherein the controller is configured to controls the optical reproducing device to reproduce the one or more graphic segments using a playlist, the playlist including navigation information for playback control of the main video stream.

32. (Currently Amended) The method of claim 10, further comprising:

recording onto the recording medium a playlist including navigation information for playback control of the main video stream ~~to reproduce the one or more graphics segments, the graphic segments are reproduced using a playlist~~.

33. (Currently Amended) The ~~method~~ apparatus of claim 11, wherein the controller is configured to controls the optical recording device to record onto the medium a playlist including navigation information for playback control of the main video stram~~, the navigation information including a playlist to reproduce the graphic segments~~.

34. (New) The computer readable medium of claim 29, wherein the playlist includes a graphic mark indexing the graphic image and specifying display duration of the graphic image.

35. (New) The method of claim 30, wherein the playlist includes a graphic mark indexing the graphic image and specifying display duration of the graphic image.

36. (New) The apparatus of claim 31, wherein the playlist includes a graphic mark indexing the graphic image and specifying display duration of the graphic image.

37. (New) The method of claim 32, wherein the playlist includes a graphic mark

indexing the graphic image and specifying display duration of the graphic image.

38. (New) The apparatus of claim 33, wherein the playlist includes a graphic mark indexing the graphic image and specifying display duration of the graphic image.

39. (New) The computer readable medium of claim 29, wherein the playlist includes display information for specifying display start and end times of the graphic image and display position and window size of the graphic image on the main video data.

40. (New) The method of claim 30, wherein the playlist includes display information for specifying display start and end times of the graphic image and display position and window size of the graphic image on the main video data.

41. (New) The apparatus of claim 31, wherein the playlist includes display information for specifying display start and end times of the graphic image and display position and window size of the graphic image on the main video data.

42. (New) The method of claim 32, wherein the playlist includes display information for specifying display start and end times of the graphic image, and display position and window size of the graphic image on the main video data.

43. (New) The apparatus of claim 33, wherein the playlist includes display information for specifying display start and end times of the graphic image and display position and window size of the graphic image on the main video data.